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🔍 Title: **JP9082303A2: SEPARATOR FOR SEALED LEAD-ACID BATTERY**

🔍 Country: **JP Japan**

🔍 Kind: **A**

🔍 Inventor: **TAMAKI MASAYOSHI;**

🔍 Assignee: **HOKUETSU PAPER MILLS LTD**
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🔍 Published / Filed: **1997-03-28 / 1995-09-12**

🔍 Application Number: **JP1995000234326**

🔍 IPC Code: **H01M 2/16;**

🔍 Priority Number: **1995-09-12 JP1995000234326**

🔍 Abstract:

PROBLEM TO BE SOLVED: To make the maximum pore diameter small and enhance electrolyte absorbency by combining 50-95wt.% glass fibers having a mean fiber diameter of $2\mu\text{m}$ or less with 5-50wt.% synthetic fibers having a fiber length of 2-30mm and a modified cross section.

SOLUTION: 50-95wt.% glass fibers having a mean fiber diameter of $2\mu\text{m}$ or less is combined with 5-50wt.% synthetic fibers having a fiber length of 1-30mm and a modified cross section. If the diameters of the glass fibers are excessively large, the maximum pore diameter is made large, the electrolyte holding ability caused by capillary action is decreased, and the stratification preventing effect of an electrolyte becomes insufficient. The synthetic fibers having a modified cross section and also having acid resistance are used and make a sheet bulky. The modified cross section of the fiber increases the stiffness of the fiber, and as a result, the stiffness in the thickness direction of the sheet is increased, and the sheet keeps the thickness when pressed.

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🔍 Family: **None**

🔍 Other Abstract Info: **DERABS C97-250886 DERC97-250886**



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